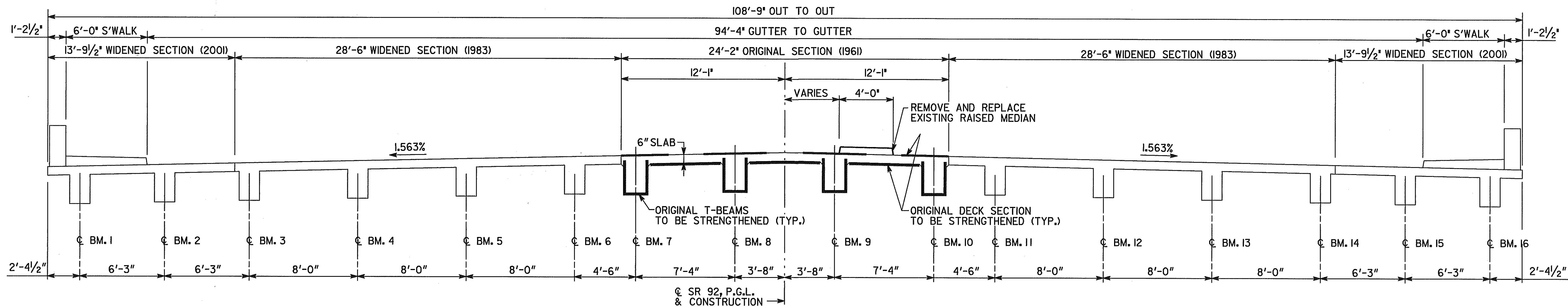


STATE	PROJECT NUMBER	SHEET NO.	TOTAL SHEETS
GA.	STP-M002-00 (072)	4	7



TYPICAL BRIDGE SECTION

GENERAL NOTES

SPECIFICATIONS - GEORGIA STANDARD SPECIFICATIONS, 2001 EDITION, AND AS MODIFIED BY CONTRACT DOCUMENTS.

WORKING DRAWINGS - WHEN SUBMITTING SHOP DRAWINGS FOR THIS PROJECT TO THE D.O.T. GENERAL OFFICE FOR REVIEW, THEY SHOULD BE SENT TO THE OFFICE OF BRIDGE MAINTENANCE. AN ADDITIONAL TWO COPIES SHOULD BE SENT TO THE AREA ENGINEER.

REINFORCING STEEL - ALL REINFORCING STEEL SHALL BE PLACED AND TIED IN ACCORDANCE WITH THE GEORGIA DOT SPECIFICATIONS. WELDING OF REINFORCING STEEL WILL NOT BE PERMITTED.

CHAMFER - ALL EXPOSED CONCRETE EDGES SHALL BE CHAMFERED 3/4 INCH UNLESS OTHERWISE NOTED.

PROTECTIVE PLATFORMS - PROTECTIVE PLATFORMS WILL BE REQUIRED AT THIS SITE TO PREVENT MATERIALS AND DEBRIS FROM FALLING INTO THE WATERWAY. SEE SECTION 510 OF THE GEORGIA DOT SPECIFICATIONS. COST SHALL BE INCLUDED IN THE OVERALL BID SUBMITTED.

TRAFFIC CONTROLS - SEE SPECIAL PROVISIONS FOR TRAFFIC CONTROLS AND TRAFFIC CONTROL PAYMENT.

EXISTING BRIDGE PLANS - PLANS FOR EXISTING BRIDGE MAY BE PURCHASED BY CONTACTING THE PLANS REPRODUCTION OFFICE AT (404) 656-5401. THE ORIGINAL BRIDGE WAS BUILT UNDER PROJECT NUMBER S-1668(1) AND WAS WIDENED UNDER PROJECT NUMBERS BHF-165-1(19) AND NH-165-1(55).

EXISTING REINFORCEMENT - EXISTING REINFORCEMENT TO BE UTILIZED IN NEW CONSTRUCTION SHALL BE BENT IN A MANNER TO PROVIDE THE MAXIMUM LAP POSSIBLE OR AS SHOWN ON THE PLANS. EXISTING REINFORCEMENT SHALL BE THOROUGHLY CLEANED OF CONCRETE SCALE AND RUST BEFORE BONDING INTO NEW CONSTRUCTION.

DIMENSIONS AND ELEVATIONS - ALL DIMENSIONS AND ELEVATIONS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO ORDERING MATERIALS OR BUILDING FORMS. LIGHT LINES INDICATE THE EXISTING STRUCTURE AND HEAVY LINES INDICATE THE NEW STRUCTURE.

CARBON FIBER REINFORCED POLYMER - CARBON FIBER REINFORCED POLYMER MATERIALS SHALL BE FURNISHED IN ACCORDANCE WITH ACI 440.2R-02 AND INSTALLED BY A QUALIFIED CONTRACTOR AS PER SPECIAL PROVISION 590.

SHEAR BRACKET HOLES - SHEAR BRACKET HOLES SHALL BE 1 INCH IN DIAMETER X 2 INCHES LONG AND EXTEND 4 1/2 INCHES MINIMUM INTO EXISTING SLAB. HOLES SHALL BE FILLED WITH STRUCTURAL EPOXY ADHESIVE IN ACCORDANCE WITH THE FRP MANUFACTURER'S SPECIFICATIONS. HOLES SHALL BE DRILLED TO AVOID CUTTING EXISTING DECK STEEL WHILE MAINTAINING SHEAR BRACKET SPACING.

GENERAL NOTES

EXISTING DECK JOINTS - EXISTING DECK JOINTS DAMAGED DURING CONSTRUCTION SHALL BE RESEALED WITH LOW-DENSITY, CLOSED-CELL, X-LINKED, ETHYLENE VINYL ACETATE, POLYETHYLENE COPOLYMER, NITROGEN BLOWN SEALS IN ACCORDANCE WITH SECTION 449 OR THE GEORGIA DOT SPECIFICATIONS AT NO ADDITIONAL COST TO THE DEPARTMENT.

WELDING - ALL WELDING ON GEORGIA DOT PROJECTS SHALL BE PERFORMED BY CERTIFIED WELDERS THAT HAVE IN THEIR POSSESSION A CURRENT WELDING CERTIFICATION CARD ISSUED BY THE GEORGIA DOT OFFICE OF MATERIALS AND RESEARCH. ONLY E70XX (EXCLUDING E7014 AND E7024) LOW HYDROGEN ELECTRODES SHALL BE USED FOR MANUAL SHIELDED METAL ARC WELDING.

SALVAGE MATERIAL - NO MATERIAL REMOVED FROM THE EXISTING STRUCTURE SHALL BE SALVAGED FOR USE BY THE GEORGIA DEPARTMENT OF TRANSPORTATION.

INCIDENTAL ITEMS - COST INCIDENTAL TO THE WORK THAT IS NOT SPECIFICALLY COVERED BY THE GEORGIA STANDARD SPECIFICATIONS, SUPPLEMENTAL SPECIFICATIONS AND/OR SPECIAL PROVISIONS SHALL BE INCLUDED IN THE OVERALL BID SUBMITTED. THIS INCLUDES THE COST OF DRILLING HOLES, SAWCUTTING, SURFACE PREPARATION, EPOXY ADHESIVE, AND OTHER INCIDENTAL ITEMS NECESSARY TO COMPLETE THE WORK.

REMOVAL OF PARTS OF EXISTING BRIDGE - COST FOR REMOVAL OF MEDIAN SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 540 REMOVAL OF PARTS OF EXISTING BRIDGE.

STAMPED CONCRETE MEDIAN - PATTERN AND COLOR APPLICATION SHALL MATCH EXISTING MEDIAN STAMPING AND BE APPROVED BY THE ENGINEER. STAMP PATTERN SHALL RUN PARALLEL WITH BRIDGE. STAMPED CONCRETE COLORING MAY BE ACHIEVED BY EITHER SPRAY OR POWDER APPLICATION. COST SHALL BE INCLUDED IN THE PRICE BID FOR CLASS AA CONCRETE, HES.

CONSTRUCTION SEQUENCE

1. PLACE TEMPORARY TRAFFIC CONTROL DEVICES AS REQUIRED. MAINTAIN THE EXISTING TWO OUTSIDE LANES OF TRAFFIC IN EACH DIRECTION ON EXISTING BRIDGE. MAINTAIN TURNING LANES OFF OF BRIDGE.
2. REMOVE EXISTING RAISED MEDIAN WITHIN THE LIMITS OF THE BRIDGE.
3. INSTALL FRP STRENGTHENING FOR THE TOP OF SLAB AS SHOWN ON PLANS.
4. RE-CONSTRUCT MEDIAN TO ITS ORIGINAL POSITION.
5. REPLACE PAVEMENT MARKINGS.
6. INSTALL UNDERSIDE FRP STRENGTHENING AS SHOWN ON PLANS
7. REMOVE TEMPORARY TRAFFIC CONTROL DEVICES FROM BRIDGE.

NOTE: IN LIEU OF THE ABOVE CONSTRUCTION SEQUENCE, THE CONTRACTOR MAY SUBMIT, FOR APPROVAL BY THE ENGINEER, HIS OWN CONSTRUCTION SEQUENCE. AT NO TIME DURING INSTALLATION AND CURING OF FRP STRENGTHENING SHALL VEHICULAR TRAFFIC, CONSTRUCTION VEHICLES, OR OTHER HEAVY LOADS BE ALLOWED BETWEEN THE CENTERLINE OF BEAMS 6 AND 11.

BRIDGE NO. 1



J.B. Trimble, Inc.
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(770) 952-1022

GEORGIA
DEPARTMENT OF TRANSPORTATION
OPERATIONS DIVISION-OFFICE OF MAINTENANCE

CAPACITY UPGRADE
SR 92 OVER NOONDAY CREEK
GENERAL NOTES
CHEROKEE COUNTY STP-M002-00 (072)

SCALE: NO SCALE U.N.O. JUNE 2003

BRIDGE SHEET
2 OF 5

DESIGNED MDT	CHECKED GLE	REVIEWED BKS
DRAWN ITD	DESIGN GROUP MAINTENANCE	APPROVED EHG